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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/596,930	06/29/2006	Susan Ashwell	101367-1P US	2429	
	7590 06/28/201 CA R&D BOSTON	0	EXAMINER		
35 GATEHOUS	SE DRIVE		JEAN-LOUIS, SAMIRA JM		
WALTHAM, M	1A 02431-1213		ART UNIT PAPER NUMBER		
			1627		
			MAIL DATE	DELIVERY MODE	
			06/28/2010	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
Office Action Summers	10/596,930	ASHWELL ET AL.					
Office Action Summary	Examiner	Art Unit					
	SAMIRA JEAN-LOUIS	1627					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONE	J. hely filed the mailing date of this co O (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
	-· action is non-final.						
3) Since this application is in condition for allowan		secution as to the	e merits is				
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
	,						
Disposition of Claims							
4)⊠ Claim(s) <u>37-45</u> is/are pending in the application	1.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊡ Claim(s) is/are rejected.	6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.							
8)⊠ Claim(s) <u>37-45</u> are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correcti		• •	FR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119							
12)☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:	. ,	() ()					
1. Certified copies of the priority documents	s have been received.						
2.☐ Certified copies of the priority documents		on No					
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
	·						
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite					
3) Information Disclosure Statement(s) (PTO/SB/08)	5)	atent Application					
Paper No(s)/Mail Date	o) 🔲 Other						

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- I. Group I, claim 37 is drawn to the compound 5-(3-Fluorophenyl)-3-ureidothiophene-2-carboxylic acid (S)-piperidin-3-ylamide and pharmaceutically acceptable salts thereof.
- II. Group II, claim 38 is drawn to a method of limiting cell proliferation in a human or animal comprising administering to said human or animal a therapeutically effective amount of the compound of claim 37 or a pharmaceutically acceptable salt thereof.
- III. Group III, claims 39 and 41-44 are drawn to a method of treatment of a human or animal suffering from cancer comprising administering to said human or animal a therapeutically effective amount of the compound of claim 37 or a pharmaceutically acceptable salt thereof.
- IV. Group IV, claim 40 is drawn to a method of prophylaxis treatment of cancer comprising administering to a human or animal in need of such treatment a

therapeutically effective amount of the compound of claim 37 or a pharmaceutically acceptable salt thereof.

V. Group V, claim 45 is drawn to a pharmaceutical composition comprising the compound of claim 37 or a pharmaceutically acceptable salt thereof, together with at least one pharmaceutically acceptable carrier, diluent or excipient.

The inventions listed as Groups I, II, III, IV and V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features.

An international application should relate to only one invention or, if there is more than one invention, the inclusion of those inventions in one international application is only permitted if all inventions are so linked as to form a single general inventive concept (PCT Rule 13.1). With respect to a group of inventions claimed in an international application, unity of invention exists only when there is a technical relationship among the claimed inventions involving one or more of the same or corresponding special technical features.

The expression "special technical features" is defined in PCT Rule 13.2 as meaning those technical features that define a contribution which each of the inventions, considered as a whole, makes over the prior art. The determination is made on the contents of the claims as interpreted in light of the description and drawings.

Whether or not any specific technical feature makes a "contribution" over the prior art,

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and therefore constitutes a "special technical feature", should be considered with respect to novelty and inventive step.

In this instant application, the common technical feature in all groups is the compound of claim 37. This compound however cannot be said to be a special technical feature under PCT Rule 13.2 because it is shown in the prior art.

In this case, Parrish et al. (WO 03/028731 A1; cited by applicant and filed on an IDS 1449) teach CHK1 Kinase inhibitors with the formula:

wherein R1 is H, R2 is C(O)NHR5 with R5 being C0-6 alkylheterocyclyl group; R3 is H and R4 is an aryl group optionally substituted by one group of A wherein A is a halo group (see pgs. 2-3). As a result, no special technical features exist among the different groups because the inventions in Groups I, II, III, IV and V fail to make a contribution over the prior art with respect to novelty and inventive step. In conclusion, there is a lack of unity of inventions, and therefore restriction for examination purposes as indicated is proper.

The following claims 37-45 are generic.

The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise

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require all the limitations of the allowable product claim will be considered for rejoinder.

<u>All</u> claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Applicant is also reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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No telephone call was made due to the complexity of the election/restriction.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samira Jean-Louis whose telephone number is 571-270-3503. The examiner can normally be reached on 7:30-5 PM EST M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. J. L. /

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Examiner, Art Unit 1627

06/22/10

/Shengjun Wang/

Primary Examiner, Art Unit 1627